

# UNIVERSITIES RESEARCH ASSOCIATION, INC.

Universities Research Association (URA) is a consortium of 89 leading research-oriented universities primarily in the United States, with members also in Canada, Japan, and Italy.

At the behest of President Lyndon Johnson's Science Advisory Committee and the National Academy of Sciences, the not-for-profit URA corporation was founded in 1965 for management and operation of research facilities in the national interest. Presidents of participating universities organized their scientific and administrative talent toward this end, within the URA governing structure.

URA's charter is  
**"...to acquire, plan, construct, and operate machines, laboratories, and other facilities, under contract with the Government of the United States or otherwise, for research, development and education in the physical and biological sciences... and to educate and train technical, research and student personnel in said sciences."**

The corporation acts under the authority of its governing body, the Council of Presidents of its 89 member universities. A Board of Trustees appoints boards of overseers for each major research activity. The Washington headquarters office of URA coordinates the activities of the Council and boards, and is responsible for oversight and governance of the Fermi National Accelerator Laboratory and for corporate relations with the Federal government, industry, academe, and the general public.

Since January 1967, URA has been the prime contractor to the Department of Energy for the creation and operation of Fermi National Accelerator Laboratory near Batavia, Illinois. Fermilab is home to the Tevatron, the world's highest-energy accelerator for elementary particle physics research.



Experiments using the Fermilab Tevatron led to the discovery of the elusive top quark particle in 1995. Fermilab's continuing upgrades will enable it to remain the center of global research on the top quark, the search for the Higgs boson, the exploration of neutrino mass, and other phenomena at the frontiers of physics. Fermilab and URA are also increasingly involved in particle astrophysics and related astronomical sciences, through participation in the Sloan Digital Sky Survey and in the Pierre Auger Cosmic Ray Observatory Project.

On behalf of the U.S. participants in a collaboration of scientists from some 20 countries, URA has recently received a commitment of funding from the Department of Energy and the National Science Foundation for the U.S. share of the \$100 million Pierre Auger Project. Under the leadership of Nobel Laureate James Cronin, Project Pierre Auger is designed to probe the mysterious origins and nature of cosmic rays in an energy regime some 100 million times greater than any accelerator has produced. This major new undertaking involves the construction of two Rhode Island-size detector arrays. Construction of the Southern Hemisphere Array, to be located in Argentina, is to begin in 1999, and will be followed by construction of the Northern Hemisphere Array, to be located in Utah.

For Fiscal Year 1999, DOE funding for URA's contracts is approximately \$282 million, and NSF funding is expected to be nearly \$1 million.





Wilson Hall, the 16 story central laboratory building of Fermilab, seen in the distance from Feynmann Computing Center. Fermilab's computing power, developed for data acquisition and analysis at the frontier of physics, also catalyzes other fields of science and technology.

Members of the DZero collaboration. CDF and DZero discovered the top quark in 1995.



Aerial view of Fermilab shows the Main Ring and the new Main Injector for the Tevatron.



The DZero detector.



# GOVERNANCE



## URA President

Frederick M. Bernthal

## Council of Presidents

Robert C. Dynes, Chair  
Chancellor  
University of California, San Diego

James T. Casteen, III, Vice Chair  
President, University of Virginia



The CDF detector, above, rolls out of the beamline and into the assembly hall after the historic collider run that at last revealed the top quark.

## Board of Trustees

Joe B. Wyatt, Chair  
Chancellor, Vanderbilt University

Robert W. Galvin, Vice Chair  
Chairman of the Executive Committee  
Motorola, Inc.

Steven C. Beering  
President, Purdue University

Mary Sue Coleman  
President, University of Iowa

Thomas E. Everhart  
President Emeritus  
California Institute of Technology

Emanuel J. Fthenakis  
CEO (ret.), Fairchild Industries

Franklyn G. Jenifer  
President  
University of Texas at Dallas

William H. Joyce  
Chairman, President and CEO  
Union Carbide Corporation

Donald N. Langenberg  
Chancellor  
University System of Maryland

Leon M. Lederman  
Director Emeritus  
Fermi National Accelerator Laboratory

Richard C. Levin  
President, Yale University

John P. McTague  
Vice President, Technical Affairs (ret.)  
Ford Motor Company

Raymond L. Orbach  
Chancellor  
University of California, Riverside

Harold T. Shapiro  
President, Princeton University

H. Guyford Stever  
President Emeritus  
Carnegie Mellon University

Jacqueline F. Woods  
President and CEO, Ameritech Ohio

# MEMBERS OF UNIVERSITIES RESEARCH ASSOCIATION, INC.



## Alabama

University of Alabama-Tuscaloosa

## Arizona

Arizona State University  
University of Arizona

## California

California Institute of Technology  
University of California-Berkeley  
University of California-Davis  
University of California-Irvine  
University of California-Los Angeles  
University of California-Riverside  
University of California-San Diego  
University of California-Santa Barbara  
San Francisco State University\*  
Stanford University

## Colorado

University of Colorado-Boulder

## Connecticut

Yale University

## Florida

Florida State University  
University of Florida

## Hawaii

University of Hawaii-Manoa

## Illinois

University of Chicago  
University of Illinois-Champaign/Urbana  
Northern Illinois University\*  
Northwestern University

## Indiana

Indiana University  
University of Notre Dame  
Purdue University

## Iowa

University of Iowa  
Iowa State University

## Kansas

Kansas State University

## Louisiana

Louisiana State University  
Tulane University

## Maryland

Johns Hopkins University  
University of Maryland,  
College Park

## Massachusetts

Boston University  
Harvard University  
University of Massachusetts  
Massachusetts Institute  
of Technology  
Northeastern University  
Tufts University

## Michigan

University of Michigan  
Michigan State University  
Wayne State University

## Minnesota

University of Minnesota

## Missouri

Washington University

## Nebraska

University of Nebraska-Lincoln

## New Jersey

Princeton University  
Rutgers University

## New Mexico

University of New Mexico  
New Mexico State University

## New York

Columbia University  
Cornell University  
University of Rochester  
Rockefeller University  
State University of New York-Buffalo  
State University of New York-Stony Brook  
Syracuse University

## North Carolina

Duke University  
University of North Carolina  
at Chapel Hill

## Ohio

Case Western Reserve University  
Ohio State University

## Oklahoma

University of Oklahoma

## Oregon

University of Oregon

## Pennsylvania

Carnegie Mellon University  
University of Pennsylvania  
Pennsylvania State University  
University of Pittsburgh

## Rhode Island

Brown University

## South Carolina

University of South Carolina

## Tennessee

University of Tennessee-Knoxville  
Vanderbilt University

## Texas

University of Houston  
University of North Texas  
Prairie View A&M University\*  
Rice University  
Southern Methodist University\*  
Texas A&M University  
Texas Tech University  
University of Texas-Arlington  
University of Texas-Austin  
University of Texas-Dallas

## Utah

University of Utah

## Virginia

Virginia Polytechnic Institute  
University of Virginia  
College of William and Mary

## Washington

University of Washington

## Wisconsin

University of Wisconsin-Madison

## Canada

McGill University  
University of Toronto

## Italy

University of Pisa

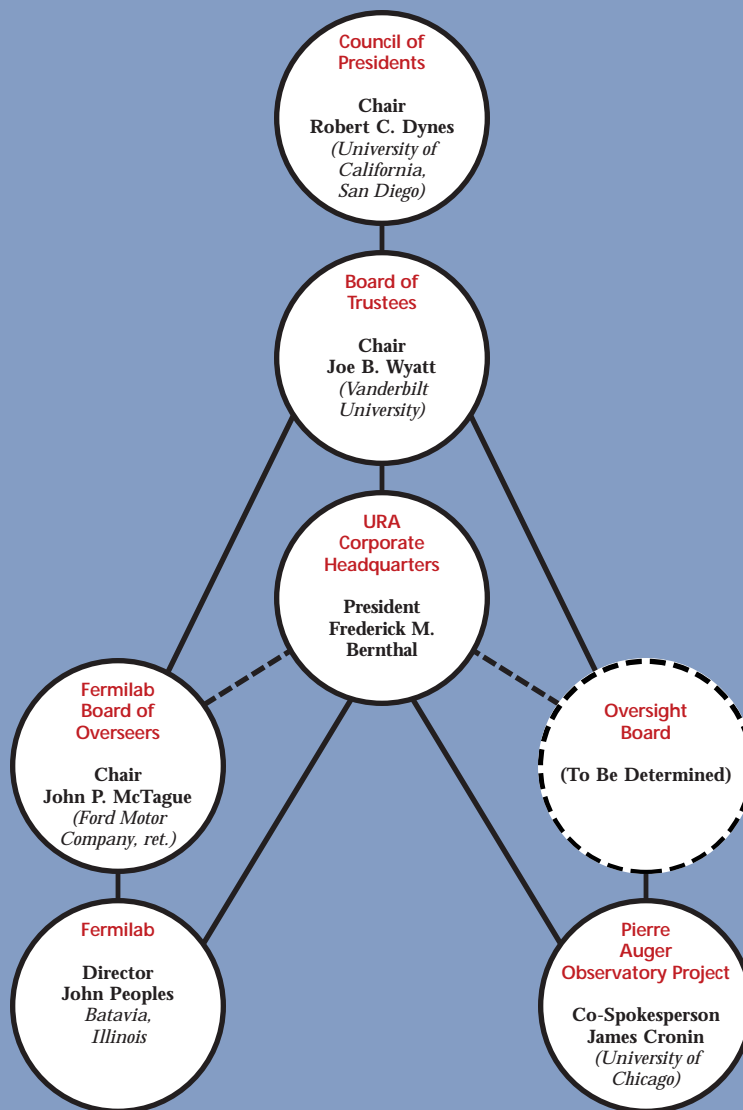
## Japan

Waseda University

*\*Associate member institution*



# ORGANIZATION CHART UNIVERSITIES RESEARCH ASSOCIATION, INC.



Universities Research Association, Inc.

1111 19th Street, N.W., Suite 400

Washington, DC 20036

Phone: (202) 293-1382

Fax: (202) 293-5012

E-Mail: [info@ura.nw.dc.us](mailto:info@ura.nw.dc.us)

Rev. 2/99

# UNIVERSITIES RESEARCH ASSOCIATION, INC.



URA provides a means  
by which universities  
may cooperate in  
fostering knowledge  
in the natural  
sciences, and in  
the planning,  
construction,  
and operation  
of large research  
facilities.